FIG. 1

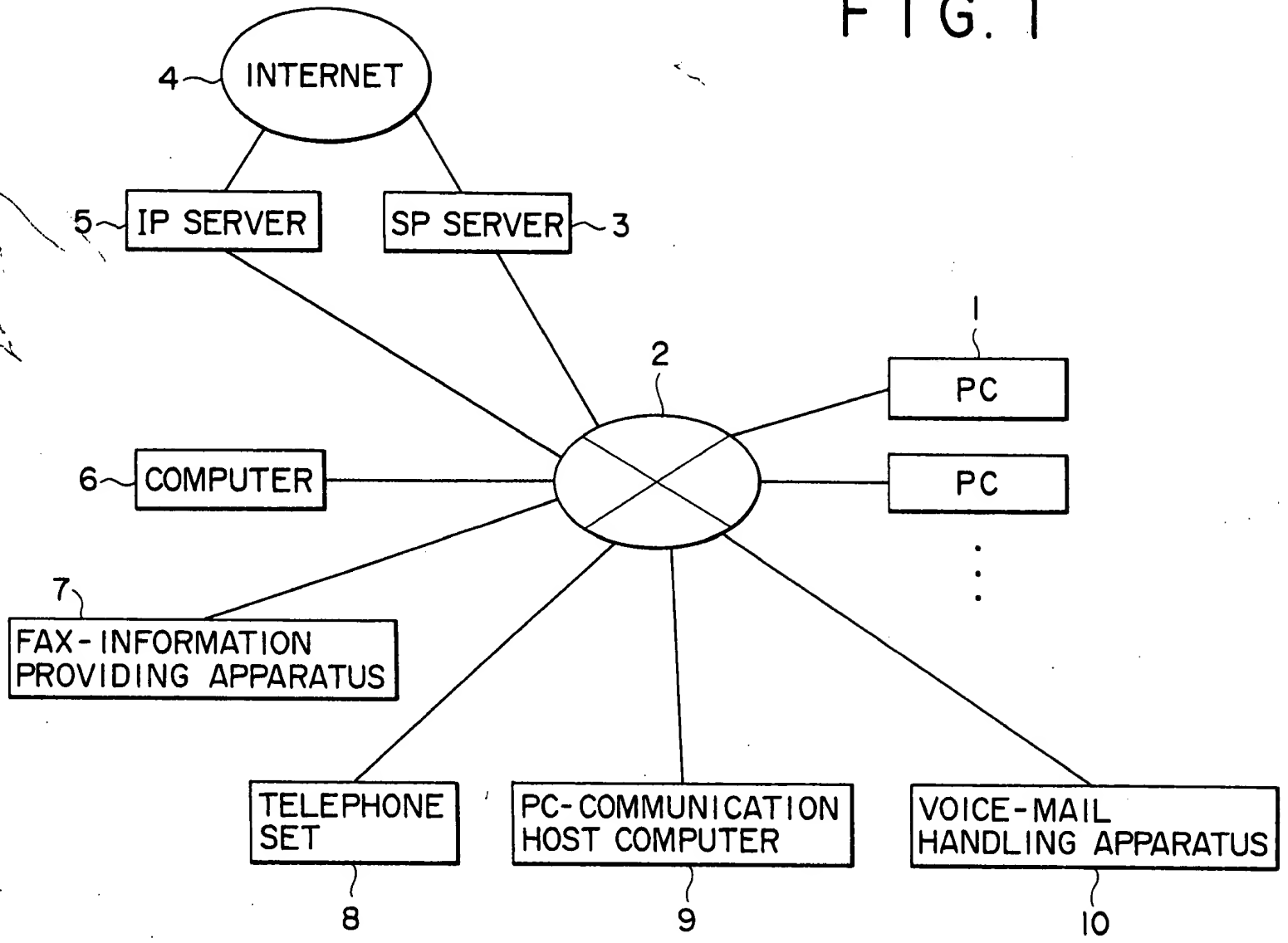
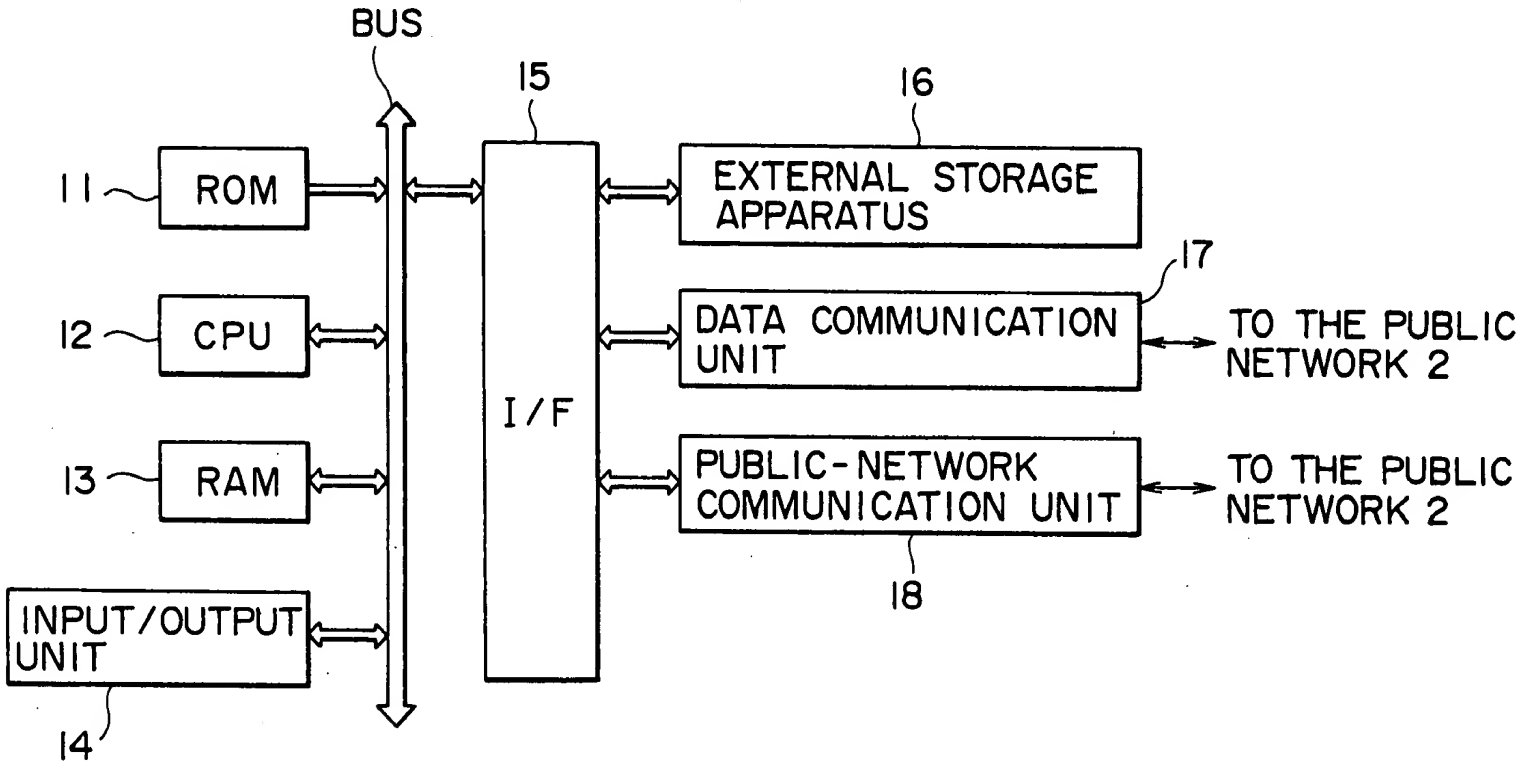

4
INTERNET
5
IP SERVER
SP SERVER
3
1
2
PC
PC
6
COMPUTER
7
FAX-INFORMATION PROVIDING APPARATUS
TELEPHONE SET
8
PC-COMMUNICATION HOST COMPUTER
9
VOICE-MAIL HANDLING APPARATUS
10

FIG. 2



PERSONAL COMPUTER 1

FIG. 3A

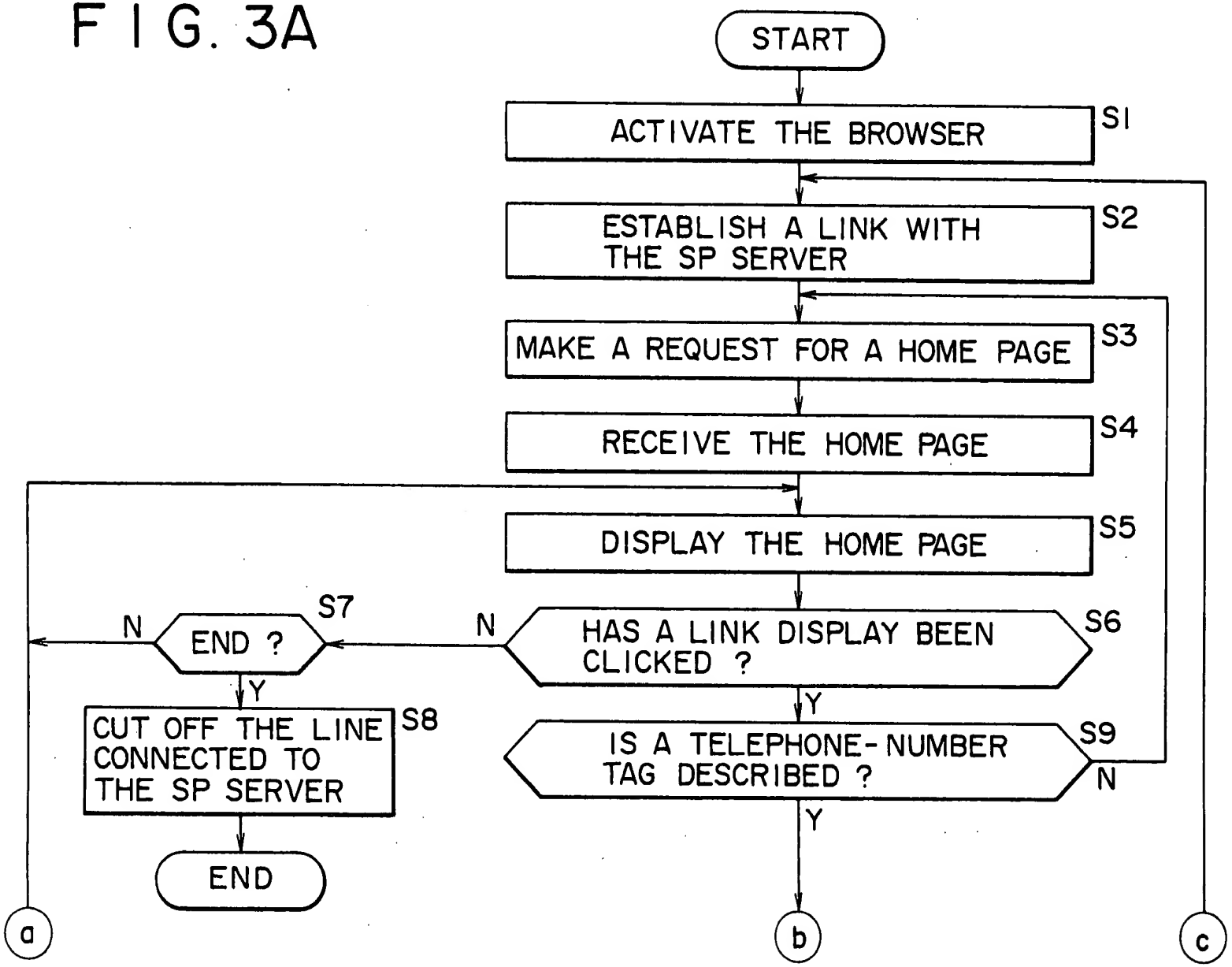

START
ACTIVATE THE BROWSER
S1
ESTABLISH A LINK WITH THE SP SERVER
S2
MAKE A REQUEST FOR A HOME PAGE
S3
RECEIVE THE HOME PAGE
S4
DISPLAY THE HOME PAGE
S5
HAS A LINK DISPLAY BEEN CLICKED ?
S6
N
Y
IS A TELEPHONE-NUMBER TAG DESCRIBED ?
S9
N
Y
END ?
S7
N
Y
CUT OFF THE LINE CONNECTED TO THE SP SERVER
S8
END
a
b
c

FIG. 3B

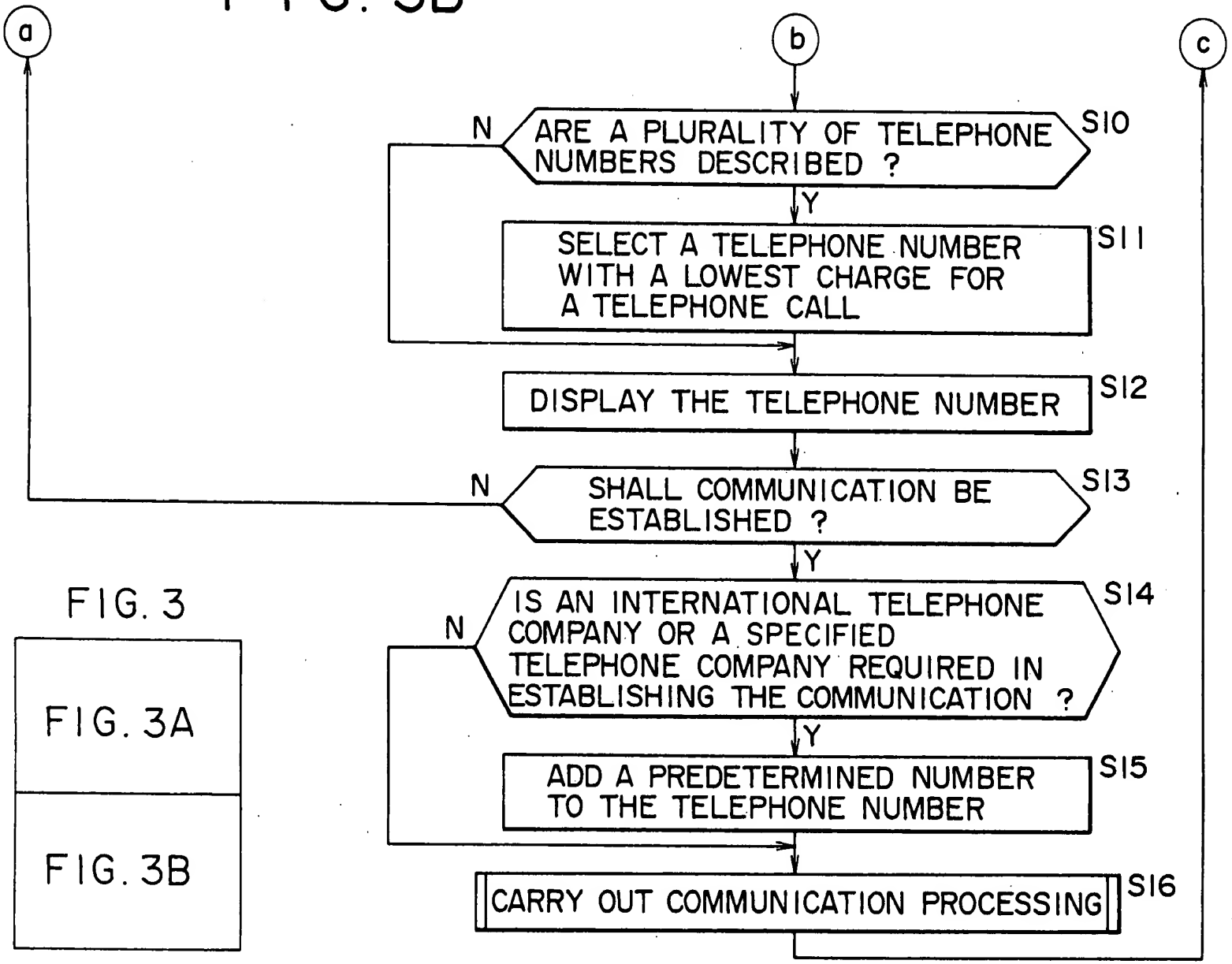


FIG. 3

FIG. 3A

FIG. 3B

FIG. 4

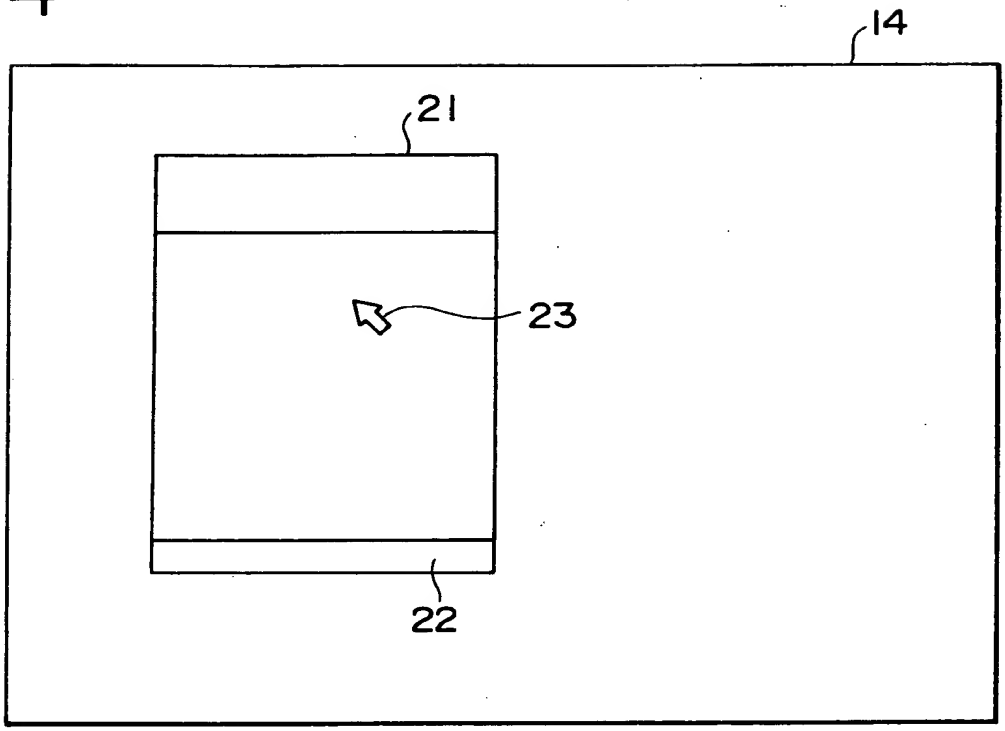

14
21
23
22

FIG. 5

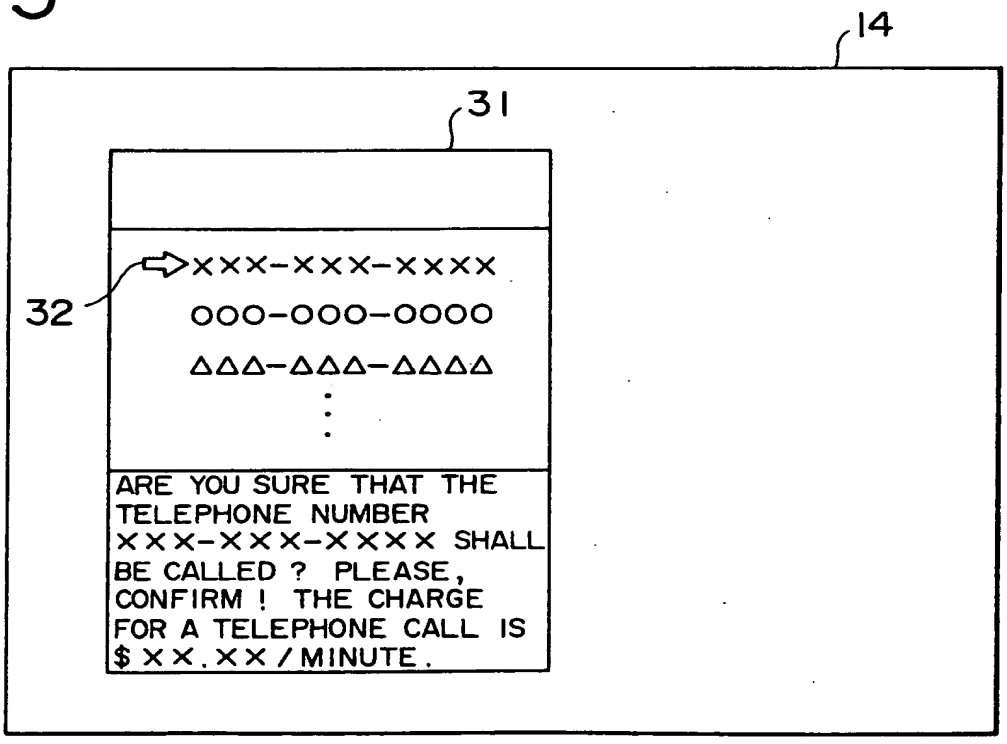

14
31
32
XXX-XXX-XXXX
000-000-0000
ΔΔΔ-ΔΔΔ-ΔΔΔΔ
ARE YOU SURE THAT THE TELEPHONE NUMBER XXX-XXX-XXXX SHALL BE CALLED ? PLEASE, CONFIRM ! THE CHARGE FOR A TELEPHONE CALL IS $XX.XX/MINUTE.

FIG. 6A

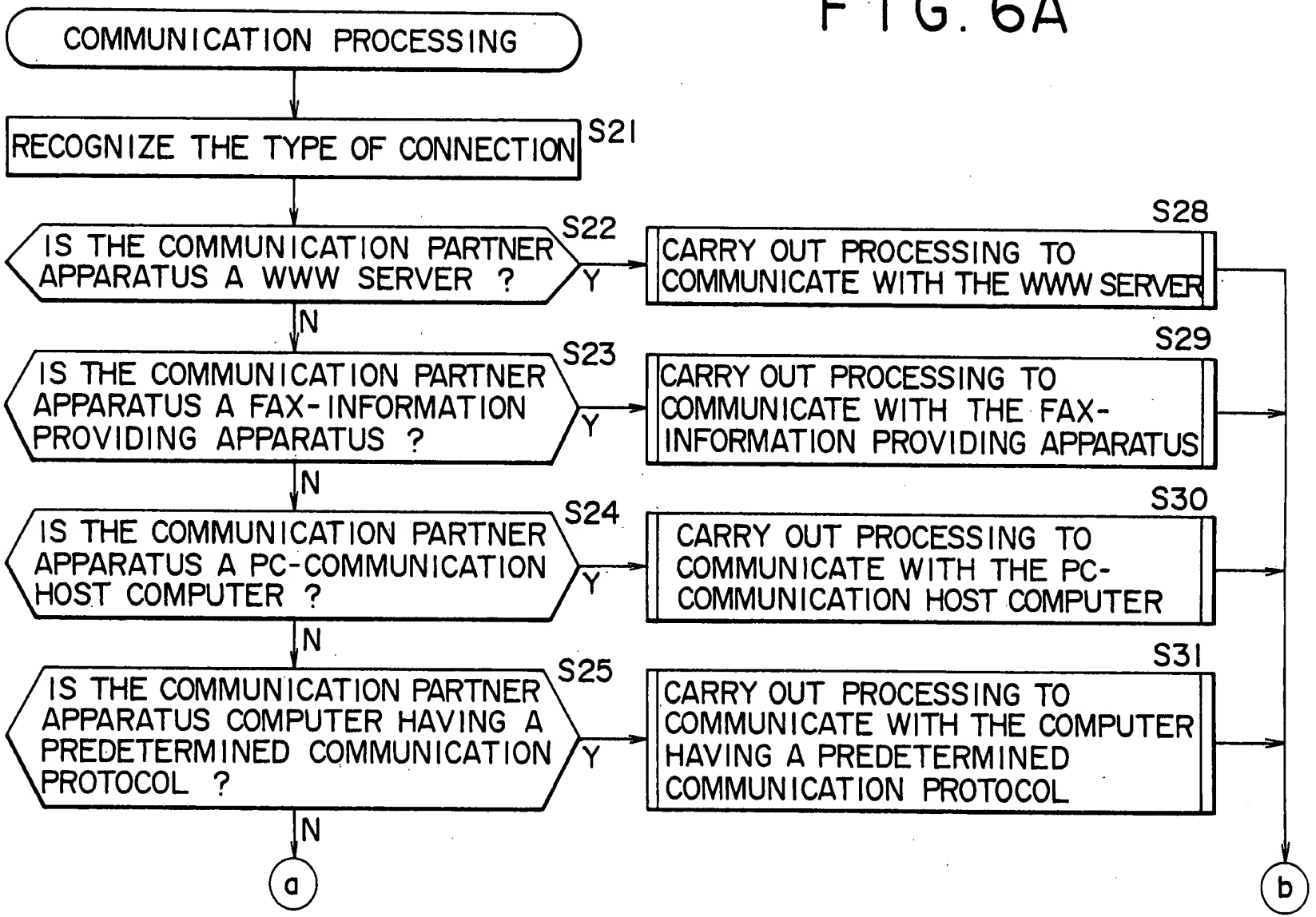

COMMUNICATION PROCESSING
RECOGNIZE THE TYPE OF CONNECTION
S21
IS THE COMMUNICATION PARTNER APPARATUS A WWW SERVER ?
S22
Y
N
CARRY OUT PROCESSING TO COMMUNICATE WITH THE WWW SERVER
S28
IS THE COMMUNICATION PARTNER APPARATUS A FAX-INFORMATION PROVIDING APPARATUS ?
S23
Y
N
CARRY OUT PROCESSING TO COMMUNICATE WITH THE FAX-INFORMATION PROVIDING APPARATUS
S29
IS THE COMMUNICATION PARTNER APPARATUS A PC-COMMUNICATION HOST COMPUTER ?
S24
Y
N
CARRY OUT PROCESSING TO COMMUNICATE WITH THE PC-COMMUNICATION HOST COMPUTER
S30
IS THE COMMUNICATION PARTNER APPARATUS COMPUTER HAVING A PREDETERMINED COMMUNICATION PROTOCOL ?
S25
Y
N
CARRY OUT PROCESSING TO COMMUNICATE WITH THE COMPUTER HAVING A PREDETERMINED COMMUNICATION PROTOCOL
S31
a
b

FIG. 6B

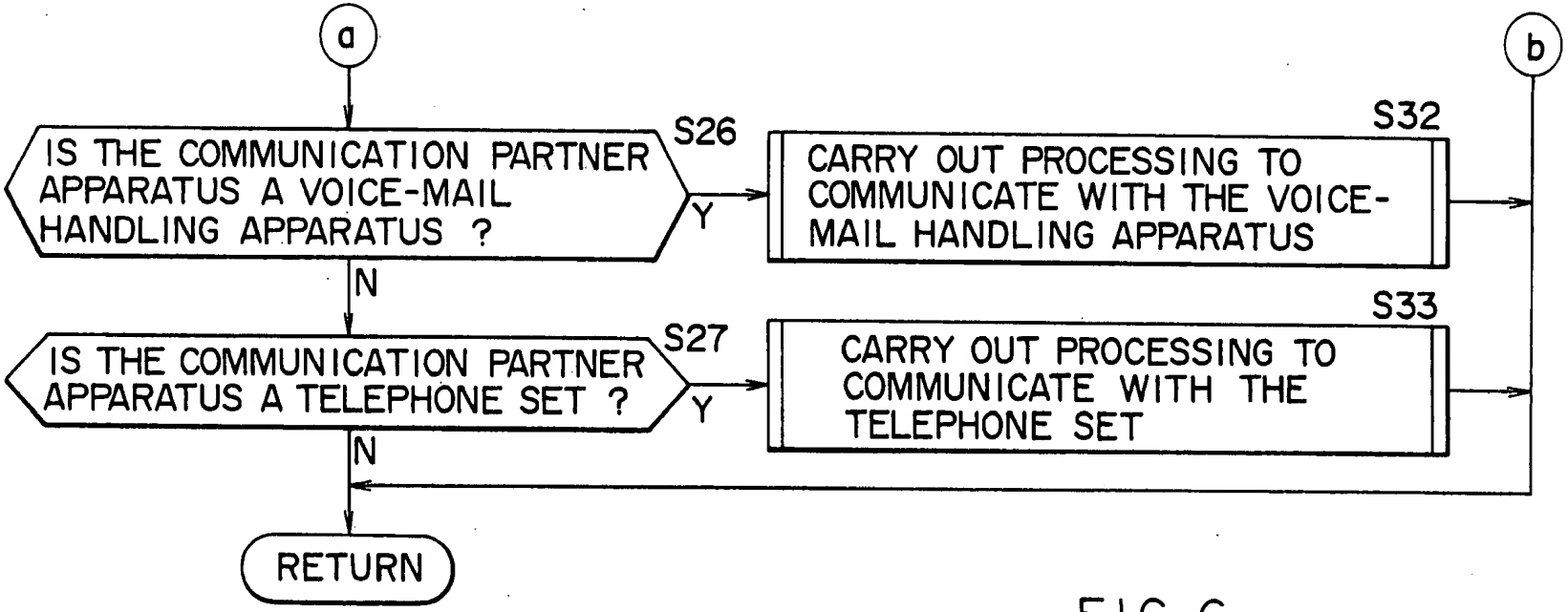

a
b
IS THE COMMUNICATION PARTNER APPARATUS A VOICE-MAIL HANDLING APPARATUS ?
S26
Y
S32
CARRY OUT PROCESSING TO COMMUNICATE WITH THE VOICE-MAIL HANDLING APPARATUS
N
IS THE COMMUNICATION PARTNER APPARATUS A TELEPHONE SET ?
S27
Y
S33
CARRY OUT PROCESSING TO COMMUNICATE WITH THE TELEPHONE SET
N
RETURN

FIG. 6

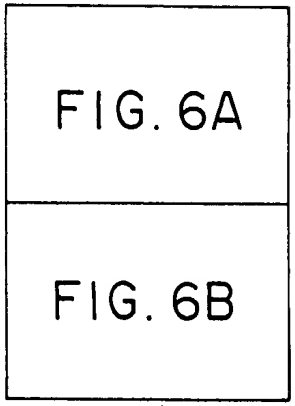


FIG. 6A
FIG. 6B

FIG. 7

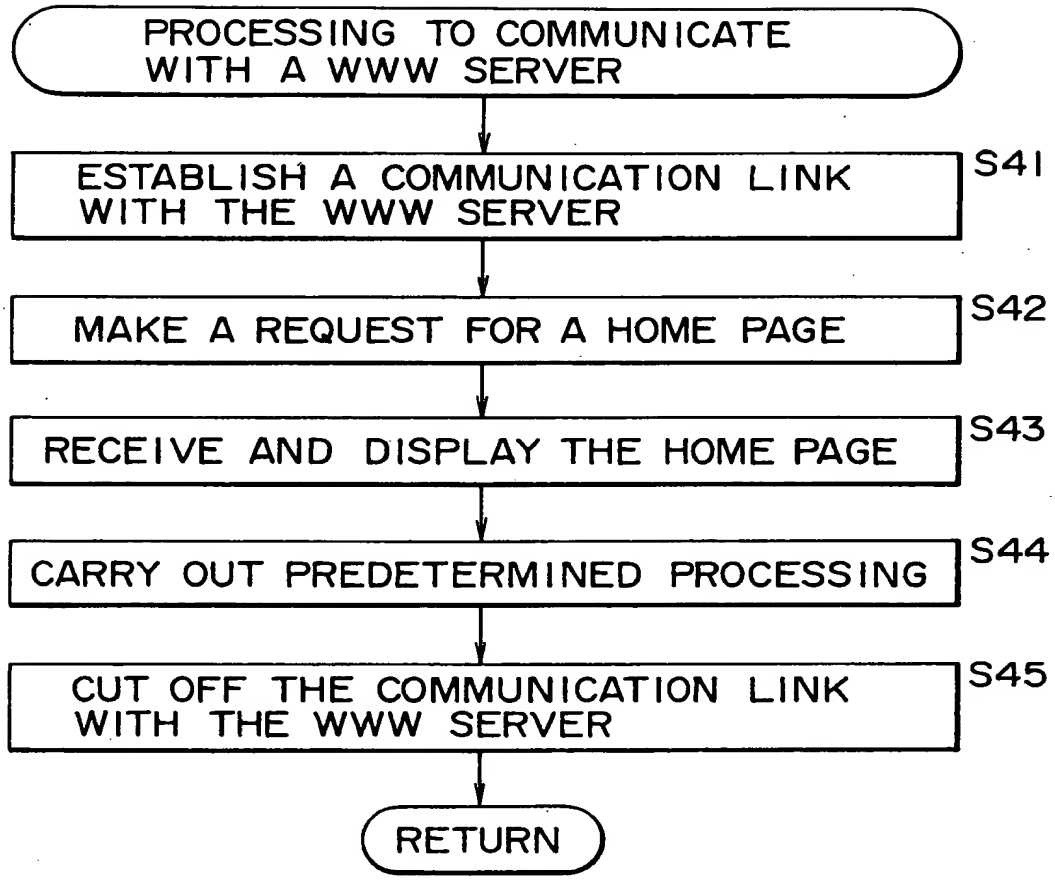

PROCESSING TO COMMUNICATE WITH A WWW SERVER
ESTABLISH A COMMUNICATION LINK WITH THE WWW SERVER
S41
MAKE A REQUEST FOR A HOME PAGE
S42
RECEIVE AND DISPLAY THE HOME PAGE
S43
CARRY OUT PREDETERMINED PROCESSING
S44
CUT OFF THE COMMUNICATION LINK WITH THE WWW SERVER
S45
RETURN

FIG. 8

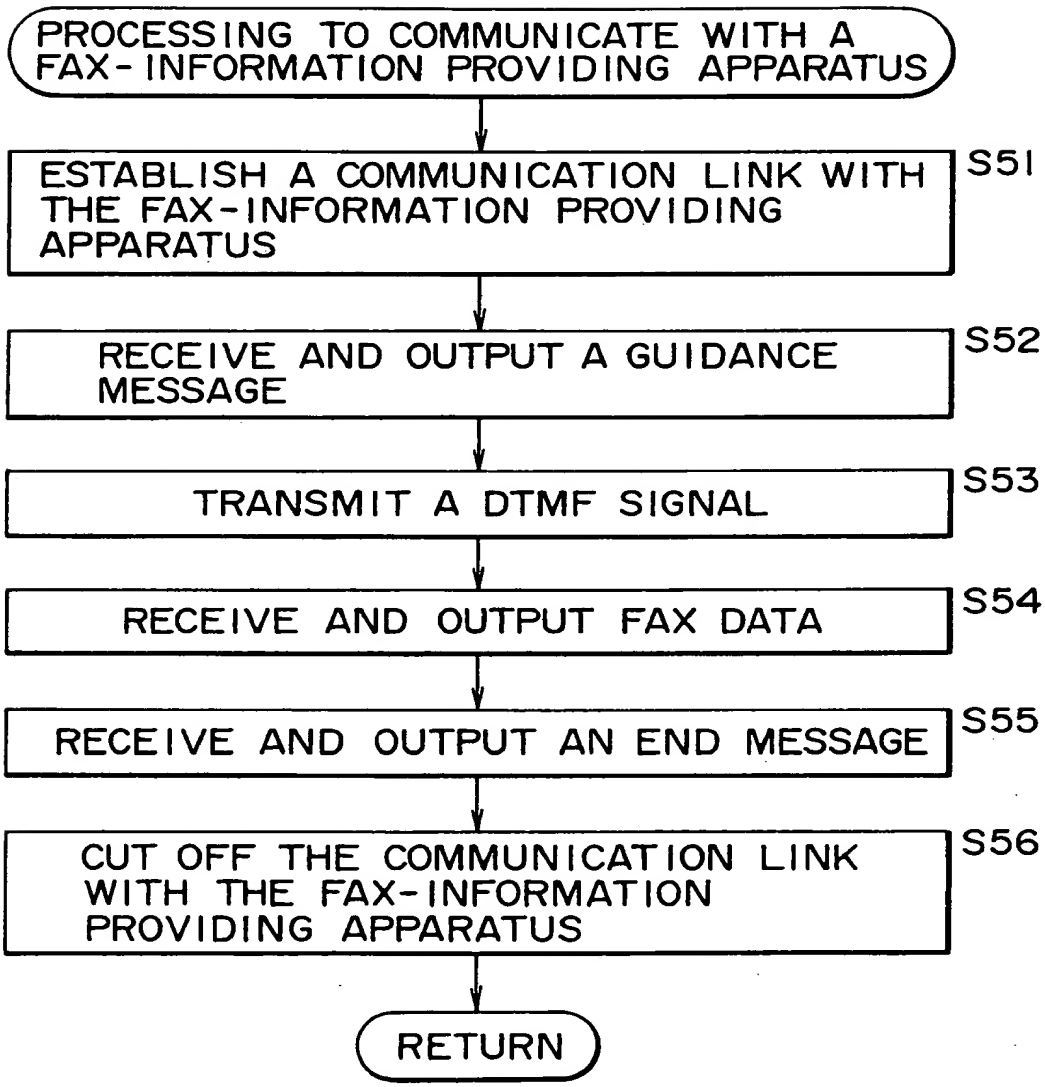

PROCESSING TO COMMUNICATE WITH A FAX-INFORMATION PROVIDING APPARATUS
ESTABLISH A COMMUNICATION LINK WITH THE FAX-INFORMATION PROVIDING APPARATUS
S51
RECEIVE AND OUTPUT A GUIDANCE MESSAGE
S52
TRANSMIT A DTMF SIGNAL
S53
RECEIVE AND OUTPUT FAX DATA
S54
RECEIVE AND OUTPUT AN END MESSAGE
S55
CUT OFF THE COMMUNICATION LINK WITH THE FAX-INFORMATION PROVIDING APPARATUS
S56
RETURN

FIG. 9

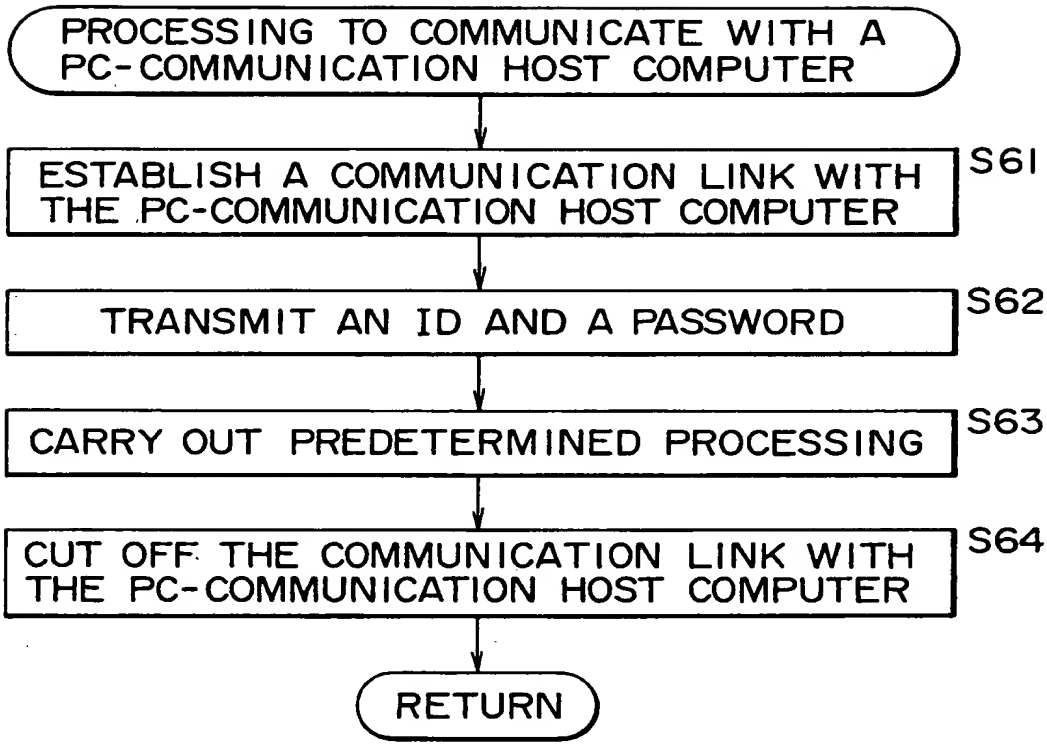

PROCESSING TO COMMUNICATE WITH A PC-COMMUNICATION HOST COMPUTER
ESTABLISH A COMMUNICATION LINK WITH THE PC-COMMUNICATION HOST COMPUTER
S61
TRANSMIT AN ID AND A PASSWORD
S62
CARRY OUT PREDETERMINED PROCESSING
S63
CUT OFF THE COMMUNICATION LINK WITH THE PC-COMMUNICATION HOST COMPUTER
S64
RETURN

FIG. 10

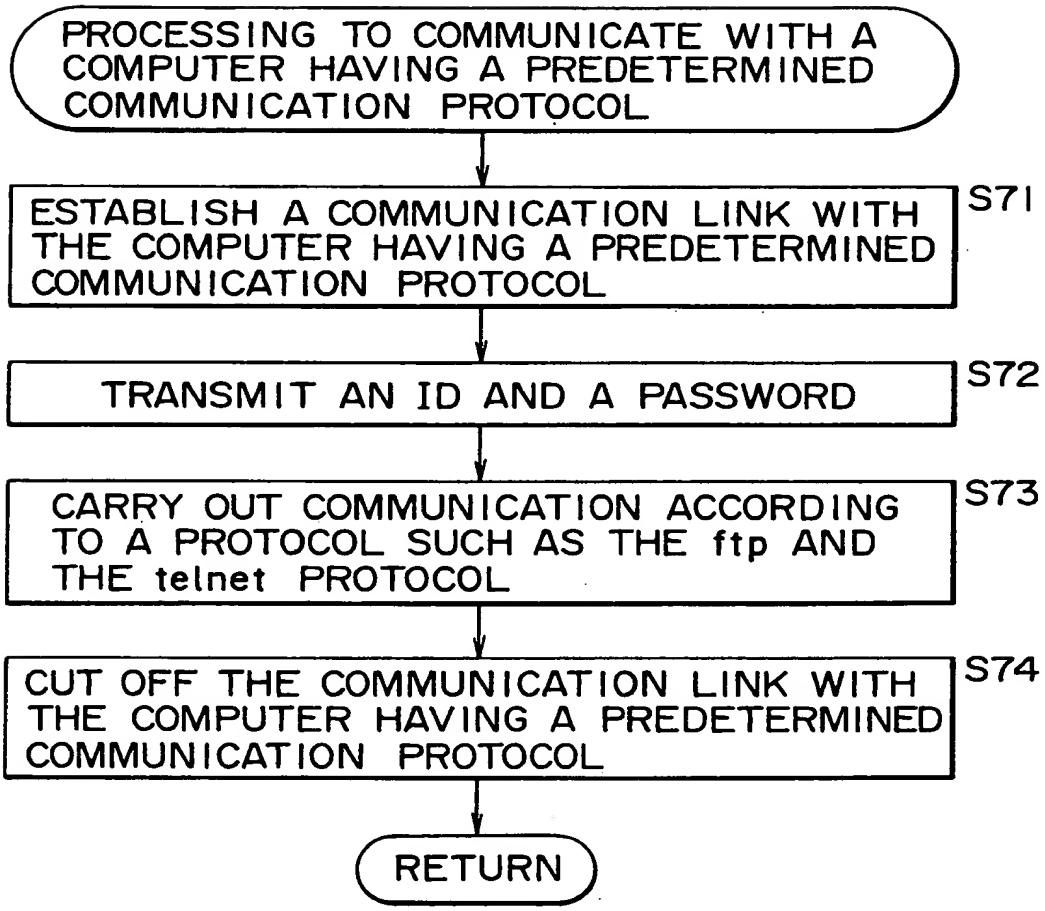

PROCESSING TO COMMUNICATE WITH A COMPUTER HAVING A PREDETERMINED COMMUNICATION PROTOCOL
ESTABLISH A COMMUNICATION LINK WITH THE COMPUTER HAVING A PREDETERMINED COMMUNICATION PROTOCOL
S71
TRANSMIT AN ID AND A PASSWORD
S72
CARRY OUT COMMUNICATION ACCORDING TO A PROTOCOL SUCH AS THE ftp AND THE telnet PROTOCOL
S73
CUT OFF THE COMMUNICATION LINK WITH THE COMPUTER HAVING A PREDETERMINED COMMUNICATION PROTOCOL
S74
RETURN

FIG. 11

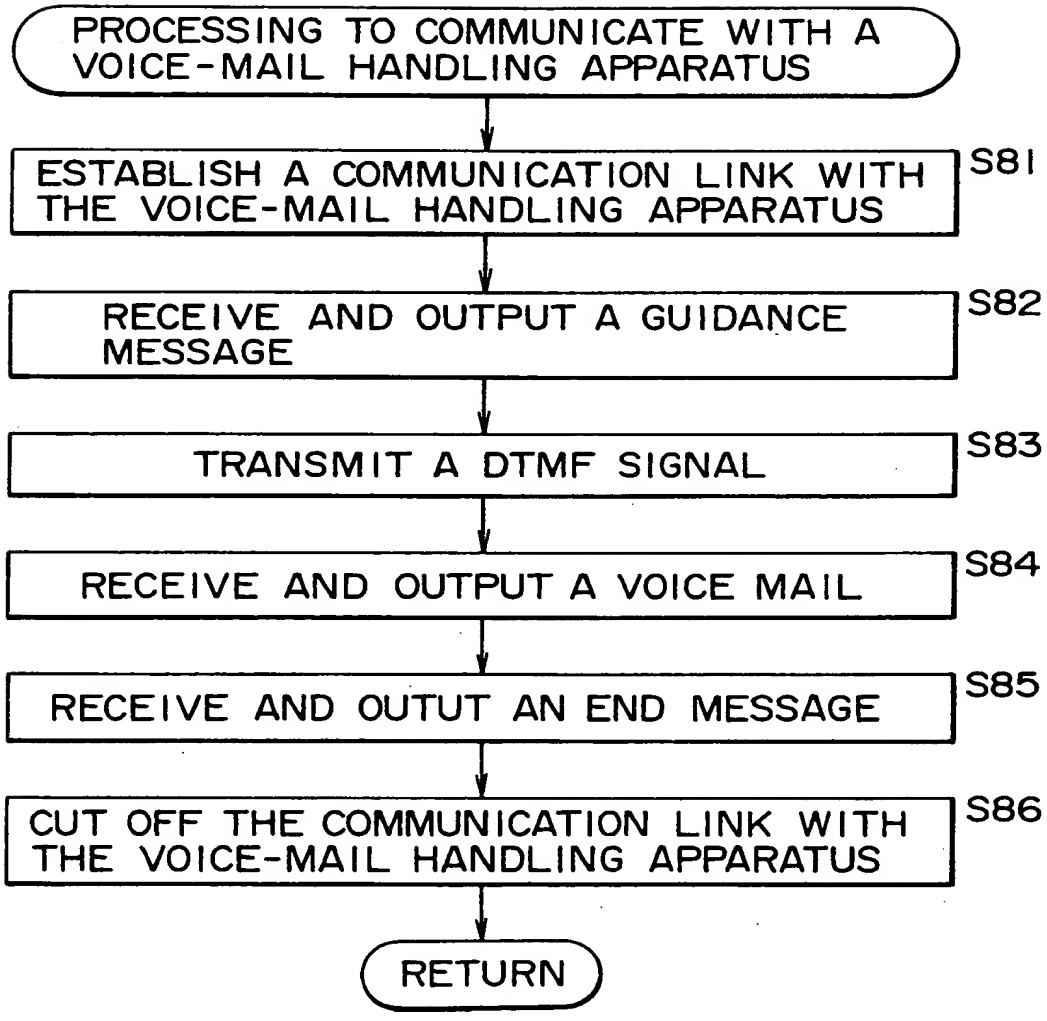

PROCESSING TO COMMUNICATE WITH A VOICE-MAIL HANDLING APPARATUS
ESTABLISH A COMMUNICATION LINK WITH THE VOICE-MAIL HANDLING APPARATUS
S81
RECEIVE AND OUTPUT A GUIDANCE MESSAGE
S82
TRANSMIT A DTMF SIGNAL
S83
RECEIVE AND OUTPUT A VOICE MAIL
S84
RECEIVE AND OUTUT AN END MESSAGE
S85
CUT OFF THE COMMUNICATION LINK WITH THE VOICE-MAIL HANDLING APPARATUS
S86
RETURN

FIG. 12

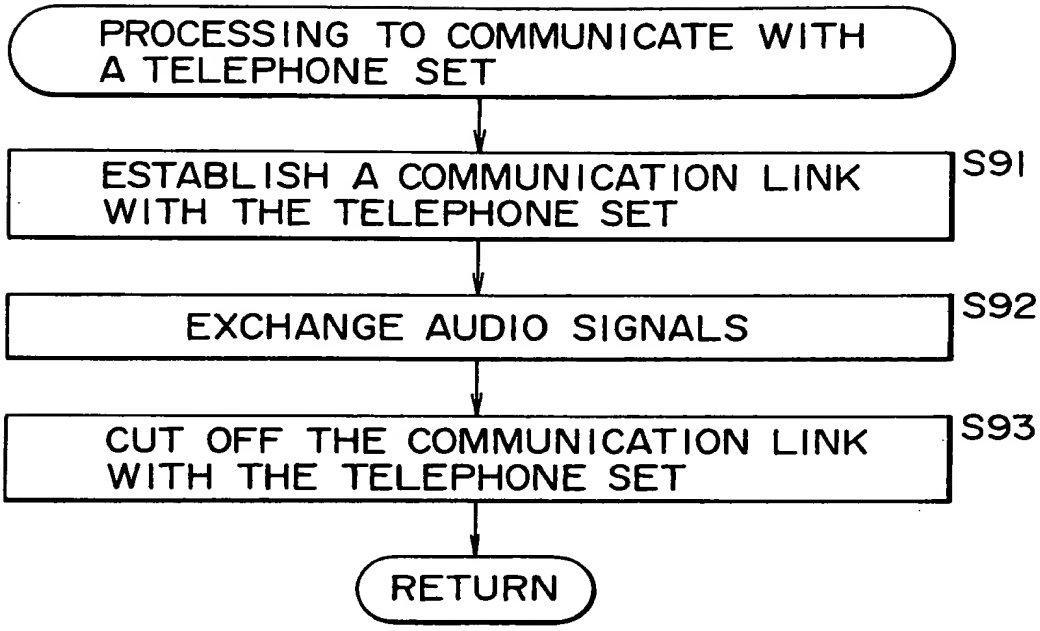

PROCESSING TO COMMUNICATE WITH A TELEPHONE SET
ESTABLISH A COMMUNICATION LINK WITH THE TELEPHONE SET
S91
EXCHANGE AUDIO SIGNALS
S92
CUT OFF THE COMMUNICATION LINK WITH THE TELEPHONE SET
S93
RETURN

FIG. 14

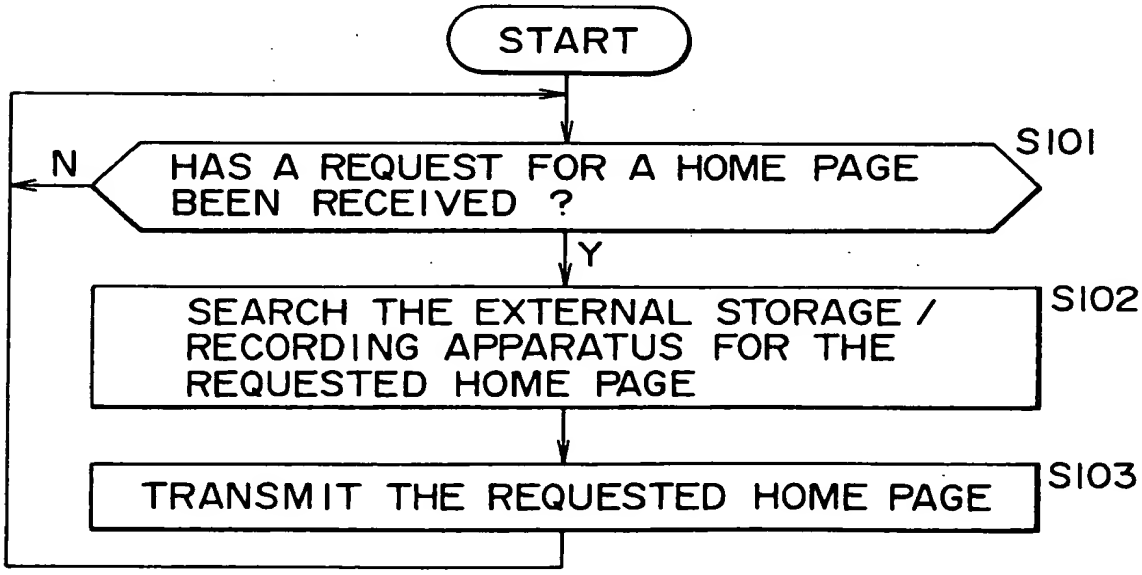
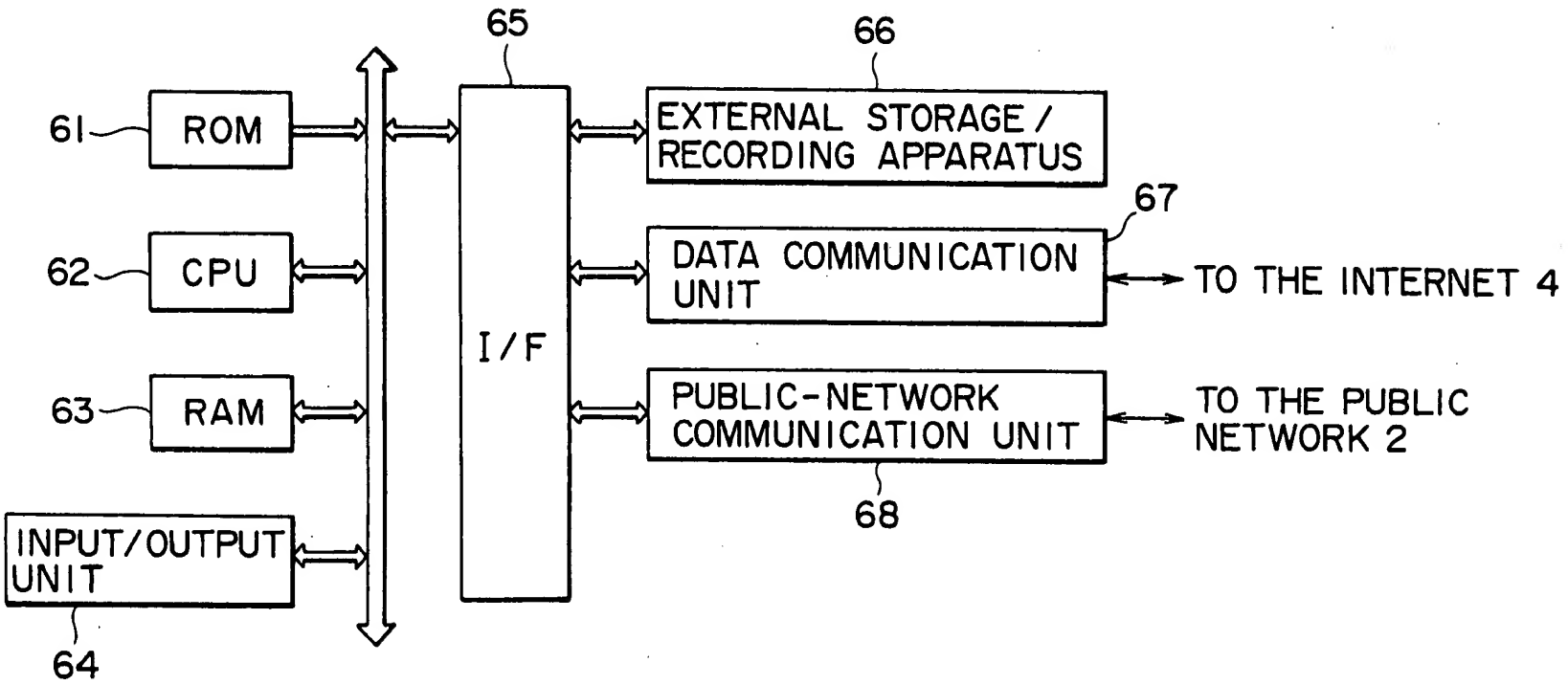

START
HAS A REQUEST FOR A HOME PAGE BEEN RECEIVED ?
S101
N
Y
SEARCH THE EXTERNAL STORAGE / RECORDING APPARATUS FOR THE REQUESTED HOME PAGE
S102
TRANSMIT THE REQUESTED HOME PAGE
S103

FIG. 13



IP SERVER 5